

GREEN MEADOWS HEALTH & WELLNESS CENTER PUBLIC WATER SYSTEM
DRINKING WATER CONSUMER CONFIDENCE REPORT
For 2020 (Prepared 2021)

Introduction

The Green Meadows Health & Wellness Center Public Water System has prepared the following report to provide information to you, the consumer, on the quality of our drinking water. Included within this report is general health information, water quality test results, how to participate in decisions concerning your drinking water and water system contacts.

Source Water Information

Green Meadows Health and Wellness Center is located on Columbus Road in Louisville, Ohio. This facility pumps water from two wells located in the parking lot of the old Molly Hospital and behind Molly Hospital. Both wells draw water from a sandstone/shale/coal bedrock aquifer(water-rich zone). Green Meadows Health & Wellness Center in 2020 had an unconditional license to operate our water system.

Evaluation indicates that the aquifer which supplies drinking water to Green Meadows HWC has a moderate susceptibility because of the following reasons: 1) The sandstone/shale/coal aquifer has a depth to water of 45 feet below ground surface; and 2) Water quality results do not indicate that contamination has impacted the aquifer; and 3) Potential significant contaminant sources exist within the protection area. Likelihood of contamination can be minimized by implementing appropriate protective measures. Please notify your water system if you observe or hear of any contaminant spill in your local area. Copies of the source water assessment report prepared for Green Meadows HWC are available by contacting Brandon Mantel from Donamarc Water Systems Co at 330-896-4949 or email brandon@donamarc.com.

What are sources of contamination to drinking water?

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include: (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife; (B) Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming; (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses; (D) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; (E) Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, USEPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Federal Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791).

Who needs to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infection. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

About your drinking water.

The EPA requires regular sampling to ensure drinking water safety. The Green Meadows HWC Public Water System conducted sampling for bacteria; inorganic; radiological; synthetic organic; volatile organic contaminant sampling during the years prior to and through 2020. Samples were collected for many different contaminants most of which were not detected in the Green Meadows HWC Water Supply. The Ohio EPA requires us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though accurate, are more than one year old.

Violations - MCL

Green Meadows Health and Wellness Center exceeded the maximum contaminant level (MCL) standard of 0.080 mg/L as established in the Ohio Administrative Code (OAC) section 3745-81 for TTHM. During the 1st and 2nd quarter in 2020. Compliance with the MCL is based on a running annual average. The annual average for TTHM during the first Quarter of 2020 time period was 0.09763 mg/L and the annual average for TTHM during the Second Quarter of 2020 time period was 0.0895 mg/L.

The Green Meadows public water system is currently working with the Ohio EPA to correct this issue. The levels detected do not pose an immediate risk to your health. Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems and may have an increased risk of getting cancer.

Table of Detected Contaminants

Listed below is information on those contaminants that were found in the Green Meadows Health and Wellness Center drinking water.

TABLE OF DETECTED CONTAMINANTS

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Inorganic Contaminants							
Fluoride Total, F	4.0mg/l	4.0mg/l	0.265mg/l	NA	NO	2019	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Barium (ppm)	2mg/l	2mg/l	0.011mg/l	NA	NO	2019	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Disinfectant Byproducts							
TTHM ppb	NA	80ug/l	97.6ug/l	4.9-97.6ug/l	YES	2020	By-product of drinking water disinfection
HAA5 ppb	NA	60ug/l	52.7ug/l	<6.0-49.2ug/l	NO	2020	By-product of drinking water disinfection
Residual Disinfectants							
Total Chlorine ppm	MRDLG= 4.0mg/l	MRDL= 4.0mg/l	0.895mg/l	0.24-2.54mg/l	NO	2020	Water additive used to control microbes
Lead and Copper							
Contaminants (units)	Action Level (AL)	Individual Results over the AL	90% of test levels were less than	Violation	Year Sampled	Typical source of Contaminants	
Lead (ppb)	15 ppb	None	4.45ug/l	No	2020	Corrosion of household plumbing systems; Erosion of natural deposits	
	0 out of 5 samples were found to have lead levels in excess of the lead action level of 15 ppb.						
Copper (ppm)	1.3 ppm	None	0.315ppm	No	2020	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems	
	0 out of 5 samples were found to have copper levels in excess of the copper action level of 1.3 ppm.						

Lead Educational Information

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Green Meadows Health and Wellness Center is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 800-426-4791 or at <http://www.epa.gov/safewater/lead>.

How do I participate in decisions concerning my drinking water?

Public participation and comments are encouraged by contacting Brandon Mantel from Donamarc Water Systems Co at 330-896-4949 or email brandon@donamarc.com. For more information on your drinking water contact Brandon Mantel at 330-896-4949 or 800-532-3330.

Definitions of some terms contained within this report.

- Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- Maximum Contaminant level (MCL): The highest level of contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- Maximum Residual Disinfectant Level Goal (MRDLG): The level of drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- Parts per Million (ppm) or Milligrams per Liter (mg/L) are units of measure for concentration of a contaminant. A part per million corresponds to one second in a little over 11.5 days.
- Parts per Billion (ppb) or Micrograms per Liter (µg/L) are units of measure for concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.
- The "<" symbol: A symbol which means less than. A result of <5 means that the lowest level that could be detected was 5 and the contaminant in that sample was not detected.
- Picocuries per liter (pCi/L): A common measure of radioactivity.
- NA: not applicable
- Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.